

# Cardiovascular Computed Tomography Intensive Board Review With Questions and Answers Sample Questions

Co-Editors: Mario Garcia, MD and Michael Shen, MD  
Foreword by: Matthew Budoff, MD

## From Chapter 2: Computed Tomography Fundamentals

1. A 45 year old male patient with a heart rate of 45 bpm is being scanned in a 64 slice single source CT scanner with a gantry rotation time of 330ms, detector size of 0.625 mm, table advancement speed of 2.2 cm/s. What is the pitch ?
  - A. 0.55
  - B. 0.18
  - C. 0.45
  - D. 0.15

## From Chapter 7.3: Coronary Vessels: Coronary Disease 2

2. A 42 year-old female without significant PMH with normal delivery of 2 children (6 & 9 y.o.) presents with new onset of dyspnea on exertion. Echocardiography showed anterior hypokinesis with EF of 40%. CTA was performed. The diagnosis is?



- A. Severe LAD stenosis with extensive collaterals.
- B. Congenital coronary aneurysm.
- C. Congenital coronary stenosis.
- D. Congenital coronary fistula.